

ABSTRACT

The invention is directed to an electrical press device having an electric motor, a step-up gear, and a spindle drive in the form of a satellite roller screw. The thread spindle is connected to the step-up gear. The threaded nut is guided in a cylindrical housing in a non-rotatable manner, such that it can be axially displaced, and is connected to a pressing tool, for converting a rotary motion of the electric motor into a linear motion of the pressing tool. The press device also includes a travel sensor for determining the distance traveled by the pressing tool and a sensor for determining the pressing force of the pressing tool.